PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving C	Office use only
PCT/EP International Application No.	03/13655
0 3 DEC 2003 International Filing Date	(0 3. 12. 03)
EUROPEAN PAT	ENT OFFICE

PCT INTERNATIONAL APPLICATION Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference

	(if desired) (12 charact	ers maximum) 29518P WO
Box No. I TITLE OF INVENTION Proteins involved in the regulation of energy hor	neostasis	
Box No. II APPLICANT This person	n is also inventor	
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	he address indicated in this	Telephone No.
DeveloGen Aktiengesellschaft für entwicklur		Facsimile No.
Forschung		Teleprinter No.
Rudolf-Wissell-Str. 28		
37079 Göttingen DE		Applicant's registration No. with the Office
State (that is, country) of nationality: DE	State (that is, country) DE	of residence:
This person is applicant for the purposes of: all designated States all designated the United States		the United States of America only the States indicated in the Supplemental Box
Box No. III FURTHER APPLICANT(S) AND/OR (FURTH	HER) INVENTOR(S)	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) MEISE, Martin Am Sommerholt 5 58675 Hemer DE		This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: DE	State (that is, country) DE	of residence:
This person is applicant all designated all designated for the purposes of:	States except ates of America	the United States the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated or	n a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE;	OR ADDRESS FOR	CORRESPONDENCE
The person identified below is hereby/has been appointed to act or of the applicant(s) before the competent International Authorities	n behalf as:	agent common representative
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of con-		Telephone No. 089/455 63-0
Weickmann & Weickmann Postfach 860 820		Facsimile No. 089/455 63-999
81635 München DE		Teleprinter No.
		Agent's registration No. with the Office
Address for correspondence: Mark this check-box where respace above is used instead to indicate a special address to very space above.	no agent or common rep	resentative is/has been appointed and the

Sheet No. . . 2. . . .

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)			
Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	he address indicated in this		
EULENBERG, Karsten Vom-Stein-Str. 29	applicant and inventor inventor only (If this check-box		
37120 Bovenden DE	is marked, do not fill in below.) Applicant's registration No. with the Office		
State (that is, country) of nationality:	State (that is, country) of residence:		
DE	DÈ		
for the purposes of: States the United States	States except the United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	e address indicated in this		
NGUYEN, Tri	X applicant and inventor		
Helmoltstr. 15 37081 Göttingen	inventor only (If this check-box is marked, do not fill in below.)		
DE	Applicant's registration No. with the Office		
State (that is, country) of nationality: US	State (that is, country) of residence: DE		
This person is applicant all designated for the purposes of: all designated the United States	States except the United States the States indicated in the Supplemental Box		
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	address indicated in this		
TSETSENIS, Theodoros	X applicant and inventor		
Alexandroupoleos 6 20006, Corinthos	inventor only (If this check-box is marked, do not fill in below.)		
GR	Applicant's registration No. with the Office		
State (that is, country) of nationality: GR	State (that is, country) of residence: GR		
This person is applicant for the purposes of: all designated the United States all designated the United States	States except		
Name and address: (Family name followed by given name; for a legal entity, The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence is	address indicated in this is indicated below.) applicant only		
	applicant and inventor inventor only (If this check-box is marked, do not fill in below.)		
	Applicant's registration No. with the Office		
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant all designated all designated States the United State	tates except the United States the States indicated in the Supplemental Box		
Further applicants and/or (further) inventors are indicated on	another continuation sheet.		

Box No	. V DESIGNATION OF STATES	Mark the applicable check-boxes below:	at least one must be market.	
771 - C: 11	owing designations are hereby made u	nder Rule 4.9(a):		
Region	al Patent	Gambia, KE Kenya, LS Lesotho, MW	Malawi, MZ Mozambique, SD Sudan,	
	SL Sierra Leone, SZ Swaziland, TZ State which is a Contracting State of	f the Harare Protocol and of the PCT (if other	her kind of protection or treatment desired.	
	Eurasian Patent: AM Armenia, AZ RU Russian Federation, TJ Tajikista Patent Convention and of the PCT	Azerbaijan, BY Belarus, RG Ryrgyzstan, Mn, TM Turkmenistan, and any other State w	hich is a Contracting State of the Eurasian	
	EP European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Electricistent, CT Cyp. as, CE Cector Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, Republic, FR France, GB Uni			
	TR Turkey, and any other State which is a Contracting State of the Description of the Des			
Natio	nal Patent (if other kind of protection	or treatment desired, opens,	NZ New Zealand	
	United Arab Emirates	△ GM Gambia N HR Croatia		
⊠ A€	Antigua and Barbuda	MR Croatia	N PH Philippines	
KIAI	Albania	MU Hullgary	PL Poland	
K AN	Albania Almenia	X ID Indonesia	☑ PT Portugal	
K AT	Austria	IL Israel	□ PO Romania	
I 1573 . ∞		El IN India	RU Russian Federation	
	Posnia and Herzegovina	☑ JP Japan	[7] and a state of the state of	
	Boshia and Herzegovina	☑ KE Kenya	A SC Seychelles	
□ BI	, P@0000	KC Kurouzstan	TT 2D 2ngan	
FI BO	Bulgana			
⊠ Bi	R Brazil	of Korea	☑ SG Singapore	
⊠ B	Belarus	1971 P. Atta of Voren	LA SK Slovakia	
⊠ B2	Belize	KR Republic of Roles.	☑ SL Sierra Leone	
N ~	. Cada	KZ Kazakistan	☑ TJ Tajikistan	
K C	A Canada H & LI Switzerland and Liechtenstein	LC Saint Lucia	M Turkmenistan	
KI C	N China	M LK Sn Lanka	☑ TN Tunisia	
N C	O Colombia	🖾 LR Liberia	M TD Turkers	
N C	P Costa Rica	🔀 LS Lesotho	☐ TR Turkey	
N C	Careb Depublic	∑ LU Luxembourg		
			TZ United Republic of Tanzania	
PID	L Germany	MA Morocco	🔀 UA Ukraine	
		MD Republic of Moldova	UG Uganda	
KID	M Dominica		M US United States of America	
	Z Algeria			
K) E	C Ecuador	M Mark The former Vugoelav Republic of	☑ UZ Uzbekistan	
⊠ E	E Estonia	MIK The former Tugoslav Repairs of		
⊠ E	S Spain	Macedonia	☑ VN Viet Nam	
Ø₽	I Finland		YU Yugoslavia	
N C	B United Kingdom	MWMalawi	N 7 A South Africa	
		MX Mexico	ZA South Africa	
	F Georgia	MZ Mozambique	Z ZW Zimbabwe	
	CH Chana	전 MO Molway	•	
1		. 507	after issuance of this sheet:	
Che	ck-boxes below reserved for designating	M SY Syrian Arab Republic	. XX . BW . Botswana	
図 .	NI NICATADUA	M EG Egypt	. XX . BW . Botswana	
₩.	PG. tapua. Neh. Guinea.	KN 1724 1724 17 17 17 17 17 17 17 17 17 17 17 17 17	e applicant also makes under Rule 4 9/h) al	
Pred		addition to the designations made above, used under the PCT except any designation(s)		

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Sheet No. ...4....

Supplemental Box	If the Supplemental Box is not used, this sheet should not be included in the request.		
	"ADDITIONAL REPRESENTATIVES"		
Names	DiplIng. DiplChem. DrIng. DiplPhys. Dr. DiplChem. Dr. DiplChem. Dr. DiplPhys. Dr. DiplPhys. Dr. DiplPhys. Dr. DiplPhys.	Franz Albert Weickmann Bernhard Huber Horst Liska Jörg Prechtel Brigitte Böhm Wolfgang Weiß Johannes Tiesmeyer Markus Herzog Bernhard Ruttensperger Volker Jordan	

Box No. VI PRIORITY	CLAIM]
The priority of the following	earlier application(s) is hereb	by claimed:			
Filing date]		
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office	
03/Dec/2002	02 026 921.3		EP		RO/EP
item (2)					
item (3)					
item (4)					
item (5)					
Further priority claims a	are indicated in the Suppleme	ntal Box.			1
The receiving Office is reque if the earlier application was f above as: all items X item (filed with the Office which for t	to the International Bureau the purposes of this internation	tional application is the r	earlier application(s) (only ecceiving Office) identified other, see Supplemental Box	
* IVI shlim mulicatio	is an APIPO application in	adicate at least one country	party to the Paris Conve	ntion for the Protection of	
Industrial Property or one Me	ember of the World Trade Or	ganization for which that e	carlier application was fil	led (Rule 4.10(b)(ii)):	İ
Box No. VII INTERNAT	IONAL SEARCHING AUT	THORITY			†
Choice of International Sea international search, indicate		·	earching Authorities are	competent to carry out the	
ISA /	the Authority Chosen, the two				
Request to use results of ea	rlier search; reference to the	hat search (if an earlier se	earch has been carried ou	it by or requested from the	
International Searching Author Date (day/month/year)	ority): Numb		try (or regional Office)		
Box No. VIII DECLARAT	TIONS				
The following declarations check-boxes below and indica	are contained in Boxes Nos.	VIII (i) to (v) (mark the a nber of each type of declare	pplicable ation):	Number of declarations	
Box No. VIII (i)	Box No. VIII (i) Declaration as to the identity of the inventor :			:	
Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent :		:		
Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application:			:		
Box No. VIII (iv)	Declaration of inventorship United States of America)	p (only for the purposes of	f the designation of the	:	
Box No. VIII (v)	Declaration as to non-preju	udicial disclosures or exce	ptions to lack of novelty	:	

Sheet No. .6....

Box No. IX CHECK LIST; LANGUAGE	OF FILING		
This international application contains: (a) the following number of sheets in paper form:	This international application is accompanied by the followin item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	of items	
request (including	1. fee calculation sheet	1	
declaration sheets) : 6 description (excluding 55	2. Original separate power of attorney		
sequence listing part) :	 3. original general power of attorney 4. copy of general power of attorney; reference number, 	•	
claims : 7	4. copy of general power of attorney; reference number, if any:		
abstract : 1	5. statement explaining lack of signature	• •	
drawings : 21 A	6. priority document(s) identified in Box No. VI as item(s):	:	ı
sequence listing part of description (actual number	7. translation of international application into (language):		
of sheets if filed in paper form, whether or not also filed in computer readable	8. Separate indications concerning deposited microorgar or other biological material	nism	AA RO/E(
form; see (b) below) : 90 For Total number of sheets :	9. sequence listing in computer readable form (indicate a and number of carriers (diskette, CD-ROM, CD-R or computer)	Iso type	
(b) sequence listing part of description filed in computer readable form	(i) copy submitted for the purposes of internation under Rule 13ter only (and not as part of the		
(i) only (under Section 801(a)(i))	international application) (ii) (ii) (only where check-box (b)(i) or (b)(ii) is marke	ed in left	
(ii) in addition to being filed in paper form (under Section 801(a)(ii))	column) additional copies including, where ap the copy for the purposes of international searce	plicable,	
Type and number of carriers (diskette,	Rule 13 <i>ter</i> (iii) together with relevant statement as to the ident	in.	
CD-ROM, CD-R or other) on which the sequence listing part is contained (additional	of the copy or copies with the sequence listing	part	
copies to be indicated under item 9(ii), in right column):	mentioned in left column	:	
	10. other (specify):	····· i	
Figure of the drawings which should accompany the abstract:	Language of filing of the international application: English		
Next to each signature, indicate the name of the person sig	ming and the capacity in which the person signs (If such capacity is not obvious 0 3. Dez. 2003	from reading the request).	
Dr. W. Weiß			
Jr. vv. vveno	Fee receiping Office use only		
Date of actual receipt of the purported international application:	0 3 DEC 2003	2. Drawings:	
Corrected date of actual receipt due to later timely received papers or drawings complet the purported international application:	but ing		
Date of timely receipt of the required corrections under PCT Article 11(2):		not received:	
5. International Searching Authority (if two or more are competent): ISA /	6. Transmittal of search copy delayed until search fee is paid		
	For International Bureau use only		
Date of receipt of the record copy by the International Bureau:			